
Manitoba 

**Annual Report
1990 - 91**

Environment



**Minister of
Environment**

Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

The Honourable George Johnson
Lieutenant-Governor of Manitoba
Room 235 Legislative Building
Winnipeg, Manitoba
R3C 0V8

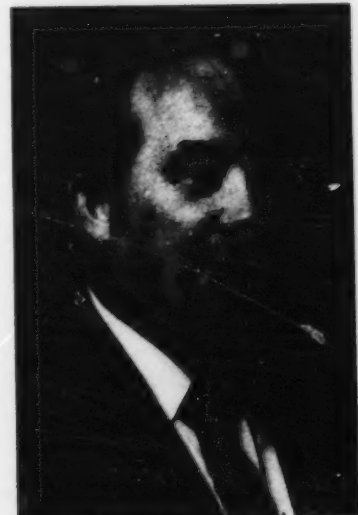
May It Please Your Honour:

I have the privilege of presenting for the information of Your Honour the Annual Report of Manitoba Environment for the fiscal year ending March 31, 1991.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'J. Glen Cummings'.

J. Glen Cummings
Minister





**Deputy Minister of
Environment**

Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

The Honourable J. Glen Cummings
Minister of Environment
344 Legislative Building
Winnipeg, Manitoba
R3C 0V8

Dear Mr. Minister:

I submit for your approval the 1990/91 Annual Report of Manitoba Environment.

During the year the Department continued to fulfill its objective of ensuring a high level of environmental quality for present and future generations of Manitobans.

Of particular note was the successful conclusion of the departmental reorganization, in particular a more extensive regionalization of departmental staff in order to provide comprehensive environmental services throughout Manitoba. Significant progress was made in implementing various waste reduction and prevention initiatives and the completion of the first Manitoba State of the Environment report.

Specific details respecting the overall accomplishments of the Department during 1990/91 are provided in this Report.

I would further note that these accomplishments would not have been possible without the dedication and commitment of all staff of the Department, as well as the cooperation of federal, local and other provincial governments.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'N. Brandon'.

Norman Brandon
Deputy Minister

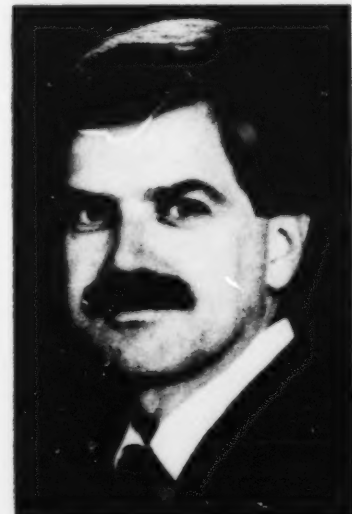
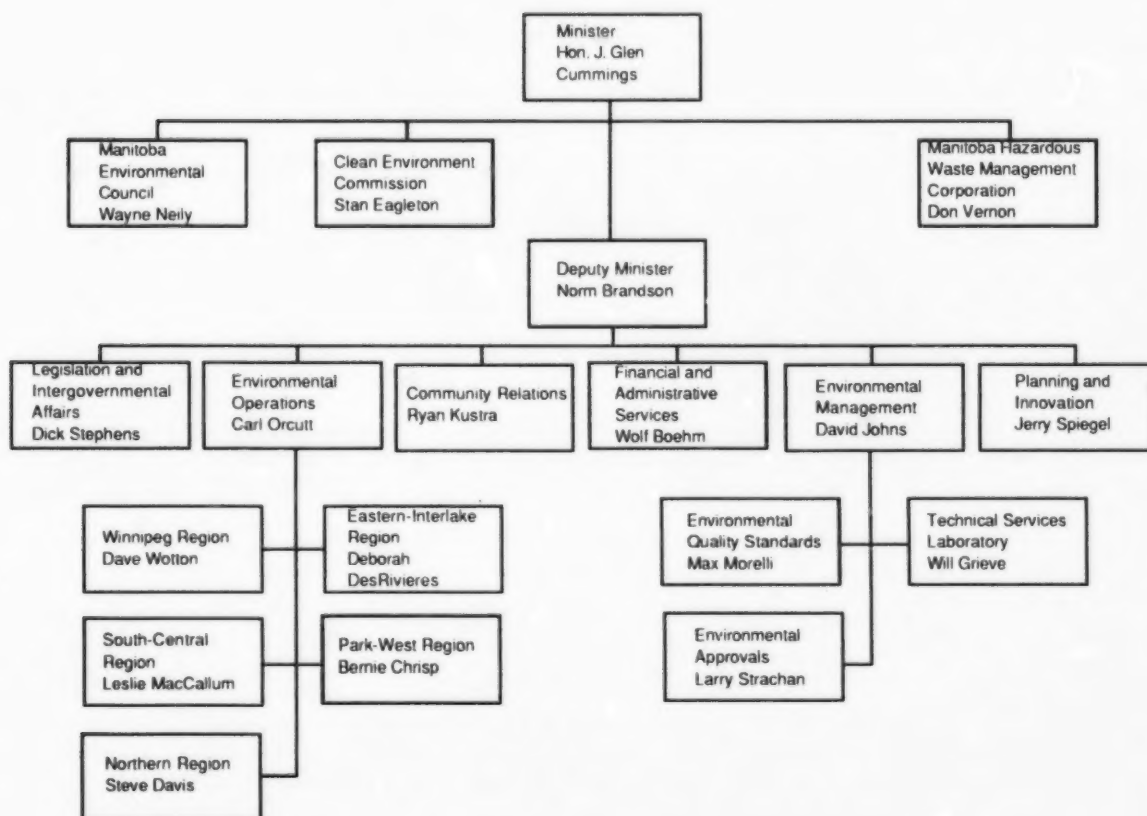


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Organization Chart - Manitoba Environment

As at March 31, 1991



Preface/Introduction

Organization of the Report

This Annual Report is organized in accordance with the Department of Environment appropriation structure, as set out in the Main Estimates of Expenditure of the Province of Manitoba for the fiscal year ending March 31, 1991.

Accordingly the Report contains information, at the Main and Sub-Appropriation levels, related to the department's objectives, the actual results achieved, its financial performance and any variances that occurred. In addition, expenditure and revenue variance explanations previously contained in the Public Accounts are now provided in the Annual Report.

Departmental Role and Mission

The Department of Environment was established as a department in 1989.

The **mission** of the Department of Environment is to ensure a high level of environmental quality for present and future generations of Manitobans.

The **responsibilities** of the Department include:

- administration and enforcement of legislation and regulations pertaining to the environment and public health.
- provision of emergency response services.
- provision of monitoring services including sample taking, maintenance of equipment and coordination with other departmental staff.
- establishment and maintenance of community liaison activities including provision of information on environmental matters, organizing local environmental events and addressing local environmental priorities.
- management of the approvals process including the carrying out of pre-licensing activities, participating in the public review process, issuing approvals and responding to appeals.
- coordination of environmental quality activities including the provision of scientific support, developing and updating air, water and terrestrial environmental quality guidelines and standards, environmental quality monitoring and state of the environment reporting.
- provision of analytical laboratory services to the Department and to clients outside of the Department on a cost recovery basis; provision of general scientific support to the Department; and the development and administration of a certification program for private laboratories.
- development, review and amendment of legislation and regulations.
- participation on various Federal/Provincial advisory committees and task forces to deal with matters such as environmental assessment harmonization, negotiating agreements and ensuring consistent and effective environmental management across the country.

- provision of planning and coordination support activities including support to the Canadian Council of Ministers of the Environment (CCME), strategic planning and community liaison.
- development and innovation activities related to the Environmental Innovations Fund (EIF), environment and economy linkages, new policy development and economic impact assessment.
- administration of waste reduction and prevention initiatives including the preparation of a Waste Reduction and Prevention strategy report, industry consultation, promotion and enforcement.

Legislative Authority

The following statutes are administered by the Department of Environment:

CONTINUING
CONSOLIDATION
CHAPTER

The Environment Act	E 125
The Dangerous Goods Handling and Transportation Act	D 12
The Manitoba Hazardous Waste Management Corporation Act	H 15
The High-Level Radioactive Waste Act	R 10
The Waste Reduction and Prevention Act	W 40
The Ozone Depleting Substances Act (passed March 8, 1990)*	

* Not yet proclaimed.

In addition to the above, the Minister, through the Department, is also responsible for the administration of certain regulations under The Public Health Act.

Administration and Finance

Minister's Salary

The Minister's salary provides the Minister of Environment with the additional compensation to which an individual appointed to the Executive Council is entitled.

Executive Support

This section is comprised of all support staff in the Office of the Minister and Deputy Minister of Environment, for a total of seven staff years.

The purpose of Executive Support is to develop, implement and oversee departmental policies and programs which are designed to attain, over the long term, the goals set out in the Department's role and mission statement, to advise the Minister on matters relating to the Department, to provide overall policy direction for departmental programs, to coordinate departmental communications activities and initiatives and to provide administrative support for the Offices of the Minister and Deputy Minister.

Included within this unit is one staff person who ensures that Manitoba's environmental legislation and regulations are appropriate and up-to-date and that beneficial working relationships are established and maintained with other Canadian jurisdictions. This area of the Department is known as Legislation and Intergovernmental Affairs.

This is done by developing, reviewing and amending legislation and regulations and by representing the Department on various Federal/Provincial advisory committees and task forces to deal with matters such as environmental assessment harmonization, negotiating agreements and ensuring consistent and effective environmental management across the country.

The specific accomplishments of Legislation and Intergovernmental Affairs during fiscal year 1990/91 included:

- carrying out the preparatory work for the proclamation of the remainder of The Dangerous Goods Handling and Transportation Act;
- initiating departmental input into the government's regulatory reform initiative;
- managing the public consultation process respecting the Waste Disposal Ground regulation;
- managing the overall regulation development process - the following specific regulations were dealt with during fiscal year 1990/91: Sewage from Pleasure Vessels, Shoal Lake Sensitive Area, Anhydrous Ammonia, Swimming Pools and Private Sewage Disposal Systems;
- involvement in various internal/external consultations, intergovernmental negotiations, and Committee activities - respecting the Canadian Environmental Protection Act relative to pulp and paper mills, began negotiations on a Manitoba/Ontario Accord, negotiated procedures for environmental assessment of the Consolidated Professor Gold Mine at Shoal Lake, was instrumental in the development of a Statement of Environmental Cooperation on Environmental Matters between Canada and the Provinces/Territories, and chaired a CCME Task Group on Harmonization of Environmental Assessment; participated on a number of

Committees including the Health and Environment Review Committee and the City of Winnipeg Liaison Committee.

1 (a)(b) Minister's Salary and Executive Support

Expenditures by Sub-Appropriation	Actual 1990/91		Estimate 1990/91		Variance Over (Under)	Expl. No.
	\$	SY	\$			
(a) Minister's Salary	20,500	1.00	20,600		(100)	
(b) Executive Support	365,400	8.00	341,400		24,000	1
Total Salaries	385,900		362,000		23,900	
Total Other Expenditures	93,800		84,100		9,700	2

Explanation:

1. Overexpenditure is due to the payment of severance to a senior civil servant who left the employ of the Department.

2. Overexpenditure is due to increased out-of-province travel associated with the Minister and Deputy Minister's participation in Canadian Council of Ministers of the Environment activities.

Planning and Innovation

Planning and Innovation, with a staff of 11, promotes, analyzes and implements new policy and project initiatives, actively promoting environmental protection and sustainable development. The Division is also responsible for the Department's program to achieve a 50 percent reduction in per capita waste generation by the year 2000.

The Division provides planning and coordination support activities, including strategic planning, issue management, support to the Canadian Council of Ministers of the Environment and linkage to the government's sustainable development initiative. Management support is also provided to the Environmental Innovations Fund and other departmental funding programs. This includes review and evaluation of related proposals, policy development including environment and economy linkages, new policy developments, economic impact assessment and community liaison (education).

The Waste Reduction and Prevention Branch administers and coordinates waste reduction and prevention initiatives. The Branch has prepared a Waste Reduction and Prevention strategy report and is involved in industry consultation and promotion of waste reduction strategies and enforcement of regulations.

During 1990/91 the Division, by Branch, accomplished the following:

Planning and Liaison:

- prepared a draft Ozone Depleting Substances Act Regulation.
- coordinated and prepared information on ozone depletion.
- drafted a Regulation respecting Shoal Lake.

- coordinated the department's Canadian Council of Ministers of the Environment activities.
- coordinated the department's sustainable development policy.
- coordinated the department's Green Plan activity.
- organized a number of departmental Strategic Planning workshops.

Development and Innovation:

- coordinated the department's Environmental Innovations Fund (EIF) activities.
- evaluated and coordinated 40 EIF projects including recycling depots and information projects.
- established evaluation and information systems.
- coordinated the government's Radon program.
- established a program for applying economic instruments.
- coordinated the development of an environmental industry.
- developed an Environmental Youth Corps program.
- prepared community outreach material (eg. "Be a Friend of the Environment" series, Computer Quiz).

Waste Reduction and Prevention:

- concluded the preparation of an action plan in response to Recycling Action Committee recommendations.
- coordinated major conferences in the Spring of 1990 and 1991.
- supported the proclamation of the Waste Reduction and Prevention Act.
- completed a Waste Reduction and Prevention Strategy Report.
- facilitated the establishment of Waste Reduction and Prevention Committees for old newspaper, beverage containers, used tires and waste oil.
- coordinated the province-wide activities of two term Recycling Outreach Officers.
- prepared school activities.
- coordinated the department's involvement respecting the CCME National Packaging Protocol.
- established a Municipal Solid Waste Coordinating Committee with other levels of government.

1 (c) Planning and Innovation

Expenditures by Sub-Appropriation	Actual 1990/91 \$	SY	Estimate 1990/91 \$	Variance Over (Under) \$	Expl. No.
Total Salaries	399,700	11.00	434,700	(35,000)	1
Total Other Expenditures	39,400		40,300	(900)	

Explanation:

1. Underexpenditure is due to a Planning and Program Analyst position being vacant for a portion of the year.

Community Relations

Community Relations, consisting of 5 staff, is responsible for increasing public and news media awareness, appreciation and involvement in environmental matters.

The Branch coordinates communication activities for special events/activities, participates in organizing Environment Week activities, manages the Department's communication needs and manages the Department's resource centre services for departmental staff and the public. Community Relations also provides emergency communications during environmental accidents.

During the 1990/91 fiscal year the Branch coordinated the Manitoba government's annual Environment Week activities and worked with the Department and several other organizations to promote and coordinate a province-wide Recycling Challenge among schools, with the winners announced during Environment Week.

The Branch spearheaded the province's zebra mussel communications program, including information for major tourism and outdoor publications, municipal governments and the public. Along with brochures and advertisements, wrote and edited a number of articles, including one for a province-wide mailing by Manitoba Hydro. A four-panel display on zebra mussels was also developed and used at a number of events.

The Branch also developed a second display on waste management which emphasizes the four R's - Reduce, Reuse, Recycle and Recover and participated in the development and production of student worksheets on this topic. Four worksheets were printed and distributed during the year.

The Branch worked closely with the departmental Emergency Response Team to meet the informational needs of the media and public, during emergency situations, and with all Branches of the Department to help keep the public informed of departmental activities and new developments.

The Resource Centre (library and information centre), which operates the Centre Public Registry, continued to respond to departmental and public requests for information. Resource Centre staff also maintained a satellite library at the W. M. Ward Technical Services Laboratory and provided library services support to the department's Regional Offices.

Information enquiries from the public increased by 25 percent over 1989/90 levels. Interlibrary loan requests from other libraries increased by 85 percent over the previous fiscal year. With the assistance of a contract book cataloguer, 816 books were catalogued during the year, compared to 242 books catalogued in 1989/90. Usage of the Public Registry has increased by 85 percent over 1989/90 levels, reflecting an increasing awareness of and interest in environmental information by the public.

1(d) Community Relations

Expenditures by Sub-Appropriation	Actual 1990/91 \$		Estimate 1990/91 \$	Variance Over (Under) \$	Expl. No.
		SY			
Total Salaries	147,200	5.00	149,600	(2,400)	
Total Other Expenditures	66,900		72,200	(5,300)	1

Explanation:

1. Underexpenditure is due to a reduced level of pamphlet and brochure production during the fiscal year.

Financial and Administrative Services

Financial and Administrative Services, with a complement of 19 staff, provides financial, human resource, administrative and computer support services to the Department to ensure appropriate utilization of departmental resources, the effective delivery of programs and compliance with governmental and departmental administrative policies and procedures.

The Branch is responsible for providing financial services including the processing of all revenue and expenditures in accordance with legislative, departmental and Treasury Board requirements, estimates preparation, accountable advances, expenditure monitoring and reporting and cash flow forecasting.

Also provided are payroll and human resource management services including payroll processing, recruitment, classification, performance appraisal system documentation/monitoring, employee orientation, career planning support, staff training and development support, affirmative action and other special projects.

As well, administrative support services are provided including vehicle coordination, parking administration, central inventory records, office equipment, word processing services, records management coordination and freedom of information management, and computer support services, including systems development support, computer hardware and software acquisition assistance and general systems troubleshooting services.

During 1990/91, 5995 payment vouchers and 1218 revenue invoices were processed. All of the required documentation respecting the complex annual estimates process, including the Minister's Estimates Session Book and the Supplementary Information for Legislative Review was prepared. Various financial reports were prepared for submission to Manitoba Finance and to departmental management. Various budget analyses and cash flow reports were prepared and ongoing monitoring of expenditures and revenue was carried out.

A total of 31 selection boards were held during the fiscal year to fill vacant positions. This involved receiving and processing 684 applications, and interviewing 143 candidates. In addition, the Personnel Administration unit monitored performance appraisal documentation for all departmental employees and provided support for the Department's affirmative action initiatives. In addition, 30 position classification reviews were completed.

The Branch attended to 68 government vehicles along with numerous office space, office equipment, office furniture, communications and related requirements. It dealt with 10 Freedom of Information Act access applications. The Branch also did much of the work on the Department's Annual Report.

The Computer Services unit provided ongoing support to 85 existing computer workstations and related equipment. As well, computer technical support was provided to the Canadian Council of Ministers of the Environment and the International Institute for Sustainable Development. Additionally, 12 new computer acquisitions during the fiscal year were installed and supported. Substantial progress was made with respect to the implementation of a Laboratory Information Management System at the department's W. M. Ward Technical Services Laboratory. The Local Area Network in Building 2 was recabled to support the growing number of electronic mail users. Assistance was provided in the establishment of the department's regional office structure.

1 (e) Financial and Administrative Services

Expenditures by Sub-Appropriation	Actual 1990/91		Estimate 1990/91	Variance Over (Under)	Expl. No.
	\$	SY	\$	\$	
Total Salaries	649,500	19.00	654,200	(4,700)	
Total Other Expenditures	167,500		156,700	10,800	1

Explanation:

1. *Overexpenditure is due to costs being incurred to carry out a major staff relocation within Building 2, 139 Tuxedo Avenue.*

Environmental Management

Environmental Operations

Divisional Overview

The Division's prime objective is to ensure the maintenance of a healthy public and natural environment for the use and well being of present and future generations of Manitobans.

The Division, formerly called Environmental Control Services, has a greater regional focus with four new regional offices in rural Manitoba, including Brandon, The Pas, Morden (to be moved to Winkler in 1991/92) and Steinbach, plus a regional office in Winnipeg. These offices are supported by the current network of sub-offices and the Department's central office. One of the main thrusts of the Division is to bring departmental services closer to the people. The regional offices are client-focused in delivery of environmental services, with the functional make-up analogous to a one-stop shopping concept. Each office is headed by a Regional Director who, with the support of professional staff, deals with the environmental concerns of the region. The Division's total staffing complement is 83.00 staff years.

Overall management and coordination of the regional offices is the responsibility of the Assistant Deputy Minister of Environmental Operations (consisting of 2 staff).

A Senior Operations Consultant assists the Assistant Deputy Minister in day-to-day operations by providing liaison between the Regional Offices and the Central Office, maintaining records of field and enforcement activities, acting as Division liaison officer to Environmental Management Division, assisting in the development, assignment and interpretation of licenses and development of legislation, participating in the recruitment of new staff and providing liaison with Manitoba Health for those programs under the Public Health Act that the Department administers on their behalf.

Also reporting to the Assistant Deputy Minister is a Training and Development Coordinator who is responsible for the development and coordination of training programs for regional staff. With decentralization of responsibilities being a major focus of regional operations, it is important that regional staff receive training in those areas of concern which previously were handled from the centralized Winnipeg location.

Regional Operations

Regional offices, including Winnipeg, consisting of 79 staff, are responsible for the delivery of the following services:

- the administration of regulations and related approvals, including the review of applications and the issuance of approvals applying to projects in the region under regulations administered by the Department under the Environment Act, the Dangerous Goods Handling and Transportation Act, and the Public Health Act, and the collection and maintenance of data bases for projects in the regions.

- enforcement, including the receipt and analysis of data from license holders, inspections (routine, spot, compliance, response to complaints, and sampling), and the enforcement of legislation and regulations by ticketing, collecting evidence, initiating prosecutions, and issuing orders.
- emergency response, including provision of a 24-hour emergency response capability, providing technical advice and the coordination of local training, and the management of cleanup activities and issuing orders.
- monitoring, including sample taking, and appropriate coordination with central scientific staff and staff of other departments.
- community liaison, including providing information to the public, organizing local environmental activities, responding to public inquiries, and identifying local environmental priorities.

In 1990/91, the new regional structure was confirmed and new regional boundaries were established. Regional offices, as previously noted, have been established, and there are new office locations for the Park-West Region in Brandon and Eastern-Interlake Region in Steinbach. In 1991/92 staff of the Northern Region in The Pas and the South-Central Region in Morden (to relocate to Winkler) will move into new office facilities. Sixteen additional staff positions were reallocated to the regions in order to strengthen the regional presence and ensure that the services the Department provides are readily available to its clients. Regional Operations have assumed responsibility for the PCB storage site and pesticide container storage site programs and commenced inspection and monitoring activities related to the storage and handling of gasoline and associated products and wastewater treatment facilities. Transfer of files and documentation from the central office in Winnipeg commenced and the regions began to assume responsibility for the monitoring and enforcement of various Environment Act licenses.

In 1990/91, in addition to coordinating delivery of an extensive orientation program for the five new Regional Directors, training programs related to the storage of gasoline and associated products, and wastewater treatment were completed. Planned training programs for 1991/92 include Enforcement, Emergency Response, PCB Storage and additional modules related to gasoline storage and wastewater treatment.

In addition to assuming responsibility for various previously centralized programs, the regions continued with already established environment and public health activities and achieved the following results during fiscal year 1990/91:

Food Control Program Establishments falling under Regional Office jurisdiction (restaurants, retail food stores, caterers)	4900
Food Control Program Inspections conducted	6500
Water Control Program Facilities falling under Regional Office jurisdiction (water treatment plants, private water supply facilities)	350
Water Control Program Inspections conducted	2700

Environmental Control Program Establishments falling under Regional Office jurisdiction (Environment Act licenses, private sewage systems, waste disposal grounds, livestock operations)	3500
Environmental Control Program Inspections conducted	6300
Sanitation Program Facilities falling under Regional Office jurisdiction (swimming pools, recreational/industrial camps, day cares)	1700
Sanitation Program Inspections conducted	4100
Communicable Disease Program Inspections conducted (food and water related)	230
Interdepartmental/Intergovernmental Program contacts (program related meetings, subdivision and landsplit proposals, tourist camp inspections)	4000

During 1990/91, several structural changes took place with respect to the Dangerous Goods unit. The petroleum storage program was integrated into regional operations and a separate program focus was given to contaminated sites. As in previous years, the section was involved in inspection and enforcement activities pertaining to the hazardous waste and dangerous goods programs under the Dangerous Goods Handling and Transportation Act.

The Dangerous Goods unit is also responsible for the Department's emergency response program. Five of the six Environment Officers within that unit are members of the emergency response team.

Departmental reorganization also resulted in some alterations being made to the hazardous waste program. The review of applications for waste treatment and storage facilities is now carried out by the Approvals Branch. Staff of Environmental Operations carry out inspections of existing waste generators, carriers and receivers.

Operational statistics relating to this program area for 1990/91 follow:

Compliance Inspections Performed	1100
Hazardous Waste Generator Registrations Received	504
Hazardous Waste Manifests Received	850
Emergency System Calls Received	462
Environmental Accident Reports Received	320
Environmental Accident On-site Responses by departmental staff	203

2 (a) Environmental Operations

Expenditures by Sub-Appropriation	Actual 1990/91 \$	SY	Estimate 1990/91 \$	Variance Over (Under) \$	Expl. No.
Total Salaries	2,909,000	83.00	3,229,300	(320,300)	1
Other Expenditures:					
- Operating	782,700		625,100	157,600	
- Grants	1,800		1,800	.	
Total Other Expenditures	784,500		626,900	157,600	2

Explanation:

1. Underexpenditure is due to a number of positions being left vacant pending finalization of the departmental reorganization.
2. Overexpenditure is due to increased emergency response costs being incurred, and increased staff travel costs resulting from greater regionalization of departmental operations.

Environmental Management

Divisional Overview

The overall divisional objective is to manage the Manitoba natural environment by anticipating and preventing environmental problems and by protecting and enhancing the natural environment in conjunction with other government and non-government stakeholders.

This is accomplished through:

- the management of a development approvals process which includes the carrying out of pre-licensing activities, participating in the public review process, issuing approvals and responding to appeals;
- the coordination of environmental quality activities including the provision of scientific support, developing and updating air, water and terrestrial environmental quality guidelines and standards, environmental quality monitoring and state of the environment reporting; and
- the provision of analytical laboratory services to the Department and to other clients on a cost recovery basis; provision of general scientific support to the Department and the development and administration of a certification program for private laboratories.

The Division's staffing complement totals 83.21 staff years.

Environmental Quality Standards

The objective of this Branch is to evaluate the status of the Manitoba environment, monitor its changes and promote standards that would safeguard its quality.

Consisting of 22 staff, this Branch develops objectives, guidelines and standards for environmental quality in Manitoba, carries out research, monitoring, studies and investigations directed at providing specific scientific and technical support to the department, the Clean Environment Commission, other provincial departments and to the public and reporting on the status of Manitoba's environment. There are four operating units:

- Air Quality Management
- Water Quality Management
- Terrestrial Quality Management
- State of Environment Reporting

Air Quality Management

The objective of Air Quality Management is to identify the Manitoba ambient air quality and provide scientific and technical support for its enhancement and on-going protection.

The following activities are carried out to achieve this objective:

- developing and reviewing air quality objectives and guidelines for pollutants of concern;
- monitoring ambient air quality within the urban community and within the vicinity of specific industrial sources to determine adherence to air quality objectives and guidelines;
- undertaking special project investigations on air quality;
- providing scientific and technical support to the Department, the Clean Environment Commission, other agencies and the public;
- preparing reports and evaluating peer reports dealing with air quality issues; and
- reviewing and assessing developments under current environmental legislation and providing comments for licensing purposes.

During 1990/91 the following results were achieved by this section:

National Air Pollution Surveillance - number of stations operated	5
Impingement Air Monitoring - number of stations operated	2
Precipitation Monitoring - number of monitoring sites operated	3
Provision of assistance to the Emergency Response Team	Ongoing
Participation in Federal/Provincial committees related to air	As Required

Water Quality Management

The objective of Water Quality Management is to identify Manitoba water quality and provide scientific and technical support for its enhancement and on-going protection.

The following activities are carried out to achieve this objective:

- developing ambient water quality objectives, guidelines and standards for Manitoba;
- monitoring surface waters including the zone of influence of an effluent discharge (eg. municipal, industrial, abandoned mines);
- investigating the effectiveness of point source control strategies in protecting the environment;
- undertaking classification of Manitoba's watersheds;
- providing scientific and technical support to the Department, the Clean Environment Commission, other agencies and the public;
- providing baseline water quality data for industrial and municipal developments and for public enquiries;
- developing and maintaining a surface water quality monitoring network;
- developing and maintaining a biomonitoring network for detection of trace metals and organics in surface waters;
- assisting in the development of provincial water management policies;
- providing educational support as requested on water quality management;
- preparing reports and evaluating peer reports related to water quality; and
- reviewing and assessing developments under current environmental legislation and providing recommendations for licensing purposes.

The following results were achieved by this section in 1990/91:

Surface Water Quality Monitoring sites operated	45
Biomonitoring sites operated	5
Bacteriological monitoring of beaches - sites	1
Site-specific investigations conducted	19
Surface water quality concern responses	750
Groundwater quality concern responses	15
Surface water quality environmental studies reviewed	176
Provincial water quality objectives reviewed	-(*)
Manuscript reports produced	3
Assessment reports produced	6
Data reports produced	3
Published papers produced	1
Papers prepared or presented	15
Requests for water quality data responded to	119
Environmental licences drafted	13
Media interviews conducted	25
Brochures prepared	4

(*)However, federal guidelines for 12 variables were reviewed.

Terrestrial Quality Management

The objectives of Terrestrial Quality Management are to identify the quality of the Manitoba terrestrial environment (vegetation, forestry, wildlife and soils) and provide scientific and technical support for its enhancement and on-going protection.

The following activities are carried out to achieve these objectives:

- designing and executing studies aimed at determining the contamination of vegetation, soils or wildlife communities and documenting the changes as a result of environmental impacts;
- developing, testing and using pertinent terrestrial monitoring methodologies for Manitoba conditions;
- establishing and maintaining a terrestrial data base;
- preparing reports and evaluating peer reports relevant to Manitoba's terrestrial environment, developing and implementing terrestrial guidelines, objectives and standards;
- providing scientific and technical support to the department, the Clean Environment Commission, other agencies and the public; and
- reviewing and assessing developments under current environmental legislation and providing recommendations for licensing purposes.

The following results were achieved by this section in 1990/91:

Northern Mining Smelters -Forest Impact Studies:

Brush cleared.
Recorded seedling conditions.
Measured growth.
Evaluated data (tabulation only).

Acid Rain-Terrestrial Monitoring:

Established one new site.
Sampled four existing sites.
Assessment of foliage condition and growth (partial).
Prepared samples for lab(partial).

Acid Rain-Snow Chemistry Surveys:

Long Range Transport of Air Pollutant Sampling at 17 sites.
Near-smelter sampling at 10 sites.
Prepared samples for lab.
Assessed lab results (partial).

Lead-in-soil studies:

Sampled Weston school.
Sampled soil and groundwater at Northwest Smelting (soil only).

Wood preservative industries:	Drafted Environmental licenses. Supervised installation of monitoring wells. Supervised environmental monitoring. Evaluated data (partial). Responded to public enquiries.
Petroleum industry- Reduced well spacing:	Evaluated data (partial).
Cadmium in wildlife:	Responded to public enquiries.
Monarch Metals-North Point Douglas:	Supervised monitoring. Evaluated data (partial). Prepared final report (partial).
Repap & Abitibi-Price Forest Management Environmental Impact Assessments (EIA):	Chaired Forestry Technical Advisory Committee. Developed Guidelines for EIA's. Reviewed and evaluated Abitibi EIA (partial).
Sustainable Development Strategies:	Committees and meetings attended as required. Reviewed and commented on strategies. Attended public meetings. Revised strategies.
Committees:	Participated in 10 committees.
Studies:	Responded to public requests. Conducted six special studies.
In addition, staff from this section were actively involved in the preparation of the State of the Environment Report.	

State of Environment (SOE) Reporting

The objective of the State of the Environment Reporting section is to collect, compile, and interpret information about environmental quality, projected trends, and environmental management activities in Manitoba, in accordance with Section 4.1 of The Environment Act.

The following activities are carried out to achieve this objective:

- coordination of the preparation of a biennial State of the Environment (SOE) Report, coordination of internal and external input to the SOE report;
- liaison with provincial and federal agencies responsible for environmental management and SOE reporting;

- establishment and maintenance of a data base of information pertinent to the reporting mandate; and
- dissemination of information on the status of the Manitoba environment to provincial and outside agencies and to the public.

During 1990/91 the first Manitoba State of Environment Report was finalized for publication.

Technical Services Laboratory

The Technical Services Laboratory, consisting of 41 staff, provides analytical services to the Department and to other clients on a cost-recovery basis. The Laboratory also develops and administers a certification program for private laboratories.

The Laboratory devises analytical methods and standards, carries out inorganic, organic and hazardous waste and limnology analyses and provides equipment calibration services to a variety of clients.

During fiscal year 1990/91 the W. M. Ward Technical Services Laboratory analyzed 20,985 samples involving 288,230 analyses.

Environmental Approvals

Consisting of 18 staff, the objective of this Branch is to administer and manage the approval process, pursuant to The Environment, Dangerous Goods Handling and Transportation, and Public Health Acts.

This is accomplished through the activities of four sections - Municipal and Industrial Approvals, Hazardous Waste Approvals, Environmental Land Use Approvals and Pesticide Approvals.

Municipal and Industrial Approvals

This section is responsible for controlling municipal and industrial sources of pollutants and ensuring a safe drinking water supply for Manitobans.

The following are carried out to accomplish this objective:

- recommending conditions to the Director and Minister for use in developing Environment Act licenses.
- advising the Department and Clean Environment Commission on technical aspects of pollutant treatment and control strategies.
- evaluating proposed water and wastewater works for public health concerns in preparation for approval by the Minister of Health.
- reviewing mine site rehabilitation schemes.

- providing technical assistance to municipal, provincial and federal governments respecting water treatment and distribution, wastewater collection, treatment and disposal, and air emission control.
- responding to enquiries and complaints.

The following results were achieved during the 1990/91 fiscal year:

Environment Act:	
Project Proposals Received	46
Project Proposals Processed	39
Public Hearings Attended	5

Note: Responsibility for handling complaints and inspections was moved to the Environmental Operations Division - Regional Operations, during the year due to departmental reorganization.

Public Health Act:	
Project Proposals Received	20
Public Complaints Handled	3
Inspections Conducted	116

Hazardous Waste Approvals

This section is responsible for managing and controlling hazardous waste (and dangerous goods) to minimize adverse impact on the environment and public health.

The following are carried out to accomplish this objective:

- recommending licensing conditions for developments, concerning the construction, alteration or operation of hazardous waste management facilities under The Dangerous Goods Handling and Transportation Act.
- representing the Department and/or the Province at public meetings or hearings.
- providing technical support to municipal, provincial and federal governments on all matters relating to dangerous goods and hazardous waste.
- liaising with the Manitoba Hazardous Waste Management Corporation and other industry groups to coordinate the development of a comprehensive system to manage the safe disposal of hazardous waste generated in the Province of Manitoba.
- participating on related provincial committees or Federal/Provincial task forces.
- responding to enquiries and complaints.

The following results were achieved during the 1990/91 fiscal year:

Dangerous Goods Handling and Transportation Act:	
Project Proposals Received	6
Project Proposals Processed	6
Approvals/Operating Orders Issued	4
Public Complaints Handled	7
Inspections Conducted	77

Environmental Land Use Approvals

This section is responsible for minimizing the environmental impact of land use development proposals.

The section carries out the following activities to accomplish this objective:

- plans, organizes and coordinates certain departmental and intergovernmental interdisciplinary activities of environmental management referred to as land use planning, proposal reviews, licensing proposal reviews and special projects.
- recommends licensing conditions for developments concerning land use planning proposals in the Province.
- coordinates the Department's input into all existing and proposed land use planning exercises.
- liaises with and provides advice to senior government officials, local governments and agencies regarding environmental land use concerns related to planning proposals, the environmental assessment process and licensing activities related to The Environment Act.
- responds to complaints and enquiries.
- represents the Department at hearings and public meetings.

The following results were achieved during the 1990/91 fiscal year:

Local government development plan and basic planning statement reviews	53
Crown Land plans and sales reviews	60

Environment Act:	
Project Proposals Received	40
Project Proposals Processed	23

Pesticide Approvals

This section is responsible for minimizing the adverse effects to the environment and public health resulting from pesticide use in Manitoba.

The following are carried out to accomplish this objective:

- providing professional expertise to the Department, Government, the public and industry in the general area of pesticide use and control.
- managing the pesticide use permit system.
- licensing pesticide developments concerning storage and disposal systems.
- assisting in the training of commercial pesticide applicators and dealers.
- providing technical expertise to the Association for a Clean Rural Environment (ACRE) with respect to container disposal and other environmental concerns.
- supplying expertise to the Canadian Association of Pesticide Control Officials through the Standing Committee on Occupational Health, Safety and Environment.
- responding to complaints and enquiries from the public respecting pesticide use.

The following results were achieved during the 1990/91 fiscal year:

Metal pesticide containers drained and crushed by municipalities	175,000 containers
Plastic pesticide containers drained and shredded by ACRE	255,000 containers
Pesticide residue collected and disposed of	15,600 litres

Environment Act:	
Pesticide use permits issued	295
Project Proposals Received	4
Project Proposals Processed	3
Public complaints investigated	26
Inspections undertaken	119

2(b) Environmental Management

Expenditures by Sub-Appropriation	Actual 1990/91 \$	Estimate 1990/91 SY \$	Variance Over (Under) \$	Expl. No.
Total Salaries	3,177,700	83.21 3,212,300	(34,600)	
Other Expenditures:				
- Operating	1,025,500	881,700	143,800	
- Grants	120,100	91,300	28,800	
Total Other Expenditures	1,145,600	973,000	172,600	1
Recoverable from other appropriations	(107,000)	(152,700)	45,700	2
Net Other Expenditures	1,038,600	820,300	218,300	

Explanation:

1. Overexpenditure is due to the payment of increased grant funding to the Canadian Council of Ministers of the Environment, provision of a grant to the Packaging Association of Canada and the Canadian Electrical Association, and increased staff travel costs associated with program delivery.
2. Reduced recovery from other appropriations is due to less than anticipated volumes of samples being submitted by client departments.

Manitoba Hazardous Waste Management Corporation

The Manitoba Hazardous Waste Management Corporation, as required under The Manitoba Hazardous Waste Management Corporation Act, prepares a separate annual report.

2(d) Manitoba Hazardous Waste Management Corporation

Expenditures by Sub-Appropriation	Actual 1990/91 \$	Estimate 1990/91 SY \$	Variance Over (Under) \$	Expl. No.
Total Other Expenditures:				
- Grants	2,292,000	2,000,000	292,000	1

Explanation:

1. Overexpenditure is due to an increased operating loss being incurred by the Manitoba Hazardous Waste Management Corporation during its 1990 fiscal year.

Environmental Advisory Organizations

Clean Environment Commission

The Clean Environment Commission, as required under The Environment Act, prepares a separate annual report.

3(a) Clean Environment Commission

Expenditures by Sub-Appropriation	Actual 1990/91 \$	SY	Estimate 1990/91 \$	Variance Over (Under) \$	Expl. No.
Total Salaries	276,800	7.00	289,100	(12,300)	1
Total Other Expenditures	122,800		123,400	(600)	

Explanation:

1. Underexpenditure is due to a position being vacant for a portion of the fiscal year.

Manitoba Environmental Council

The Manitoba Environmental Council prepares a separate annual report.

3(b) Manitoba Environmental Council

Expenditures by Sub-Appropriation	Actual 1990/91 \$	SY	Estimate 1990/91 \$	Variance Over (Under) \$	Expl. No.
Total Salaries	57,100	2.00	62,500	(5,400)	1
Total Other Expenditures	18,500		13,800	4,700	2

Explanation:

1. Underexpenditure is due to less than budgeted overtime expenditures being incurred.
2. Overexpenditure is due to additional travel costs being incurred in order to facilitate the participation of rural Council members in Council activities.

International Institute for Sustainable Development

The International Institute for Sustainable Development prepares a separate annual report.

4 International Institute for Sustainable Development

Expenditures by Sub-Appropriation	Actual 1990/91 \$	Estimate 1990/91 SY \$	Variance Over (Under) \$	Expl. No.
Total Other Expenditures:				
- Grants	415,600	800,000	(384,400)	1

Explanation:

1. Underexpenditure is due to the International Institute for Sustainable Development incurring lower operating costs than anticipated during the 1990/91 fiscal year.

Financial Information Section

Reconciliation Table

Department of Environment

Details	1990/91 Estimates
1990/91 Main Estimates	\$13,131,400
1990/91 Estimate	\$13,131,400

Manitoba Environment Expenditure Summary

for the fiscal year ended March 31, 1991
with comparative figures for the previous fiscal year

Estimate 1990/91 \$	Appropriation	Actual 1990/91 \$	Actual 1989/90 \$	Increase (Decrease) \$	Expl. No.
31-1 Administration and Finance					
20,600	(a) Minister's Salary	20,500	19,000	1,500	
341,400	(b) Executive Support				
84,100	Salaries	365,400	333,100	32,300	1
434,700	Other Expenditures	93,800	134,900	(41,100)	2
40,300	(c) Planning and Innovation				
149,600	Salaries	399,700	387,300	12,400	3
72,200	Other Expenditures	39,400	78,500	(39,100)	4
654,200	(d) Community Relations				
156,700	Salaries	147,200	181,300	(34,100)	5
	Other Expenditures	66,900	37,200	29,700	6
	(e) Financial and Administrative Services				
	Salaries	649,500	625,000	24,500	7
	Other Expenditures	167,500	136,400	31,100	8
1,953,800	Total 31-1	1,949,900	1,932,700	17,200	
31-2 Environmental Management					
3,229,300	(a) Environmental Operations				
626,900	Salaries	2,909,000	2,884,400	24,600	9
	Other Expenditures	784,500	626,400	158,100	
3,212,300	(b) Environmental Management				
973,000	Salaries	3,177,700	2,937,800	239,900	10
(152,700)	Other Expenditures	1,145,600	975,200	170,400	11
	Less: Recoverable From Other Appropriations	(107,000)	(83,800)	(23,200)	12
	(c) Dangerous Goods Inspectorate Training				
	Other Expenditures	-	189,200	(189,200)	13
2,000,000	(d) Manitoba Hazardous Waste Management Corporation				
	Other Expenditures	2,292,000	1,940,200	351,800	14
9,888,800	Total 31-2	10,201,800	9,469,400	732,400	

Manitoba Environment Expenditure Summary

for the fiscal year ended March 31, 1991
with comparative figures for the previous fiscal year

Estimate 1990/91 \$	Appropriation	Actual 1990/91 \$	Actual 1989/90 \$	Increase (Decrease) \$	Expl. No.
31-3 Environmental Advisory Organizations					
	(a) Clean Environment Commission				
289,100	Salaries	276,800	222,100	54,700	15
123,400	Other Expenditures	122,800	232,800	(110,000)	16
	(b) Manitoba Environmental Council				
62,500	Salaries	57,100	52,700	4,400	17
13,800	Other Expenditures	18,500	13,800	4,700	18
488,800	Total 31-3	475,200	521,400	(46,200)	
31-4 International Institute for Sustainable Development					
800,000	Other Expenditures	415,600	-	415,600	19
800,000	Total 31-4	415,600	-	415,600	
13,131,400	TOTAL EXPENDITURES	13,042,500	11,923,500	1,119,000	

Explanation:

1. Increase in expenditure is due to the payment of severance to a senior civil servant.
2. Decrease in expenditure is due primarily to a reduction in computer-related purchases.
3. Increase in expenditure is due to the payment of summer student salaries.
4. Decrease in expenditure is due to certain expenditures incurred during 1989/90 not being incurred in 1990/91, including attendance at the Globe '90 Conference, computer-related purchases, provision of a one-time grant to the Canadian Association of Administrators of Labour Legislation, costs related to staff planning meetings, and advertising and printing costs relative to departmental programs.

5. Decrease in expenditure is due to the transfer of the salary cost of an employee seconded to the Sustainable Development Coordination Unit to elsewhere in the Department.
6. Increase in expenditure is due to costs incurred respecting the contracting of a Newswatch service, contracting for library cataloging services, increased printing costs regarding departmental reports, increased advertising expenditures, increased postage costs and reorganization-related costs.
7. Increase in expenditure is due to vacant positions being filled in 1990/91.
8. Increase in expenditure is due to computer-related acquisitions, provision of a one-time grant to the Manitoba Association of School Trustees, costs incurred respecting a major staff relocation within Building 2, 139 Tuxedo Avenue.
9. Increase in expenditure is due to increased vehicle mileage costs, increased emergency response costs, and costs associated with the establishment of new regional offices (increased supplies, telephone, office equipment, postage).
10. Increase in expenditure is due to the net effect of transferring positions to/from other areas of the Department, and staffing several staff years previously kept vacant pending completion of the departmental reorganization.
11. Increase in expenditure is due to costs incurred to prepare the State of the Environment Report, increased mileage costs, incurring grant costs in excess of those originally budgeted, increased advertising costs respecting Environment Act proposals, and increased staff travel costs.
12. Increase in recoveries is due primarily to the application of the Lab User fee charge to the Departments of Health and Labour.
13. The Dangerous Goods Inspectorate Training Agreement expired effective March 31, 1990.
14. Increase in expenditure is due to the Manitoba Hazardous Waste Management Corporation incurring a larger operating loss than the previous fiscal year.
15. Increase in expenditure is due to funding the salary cost of an employee seconded to the Sustainable Development Coordination Unit.
16. Decrease in expenditure is due to a reduced level of hearing activity during 1990/91. This resulted in reduced costs related to travel, transcription services, advertising and Commissioner remuneration.
17. Increase in expenditure is due to a position reclassification and employee merit increments.
18. Increase in expenditure is due to increased travel and related expenditures being incurred by the Manitoba Environmental Council in order to facilitate broader rural participation of members.
19. This organization was not fully functional in 1990/91.

Manitoba Environment Revenue Summary by Source

for the year ended March 31, 1991
with comparative figures for the previous fiscal year.

1989-90 \$	Actual 1990-91 \$	Increase (Decrease) \$	Source	1990-91 Actual \$	1990-91 Estimate \$	Variance \$	Expl. No.
Current Operating Programs:							
Other Revenue:							
154,400	277,800	123,400	(a) Laboratory Fees	277,800	215,000	62,800	1
6,300	4,000	(2,300)	(b) Miscellaneous	4,000	3,000	1,000	2
	13,300	13,300	(c) Emergency Response Costs	13,300	3,000	10,300	3
160,700	295,100	134,400	Total	295,100	221,000	74,100	
Government of Canada:							
91,900	-	(91,900)	(a) Dangerous Goods Inspectorate Training Agreement	-	-	-	4
91,900	-	(91,900)	Total	-	-	-	
252,600	295,100	42,500	Total Revenue	295,100	221,000	74,100	

Explanatory Comments Regarding Revenue Increases (Decreases) and Variances:

1. The increase in "Actual" Laboratory Fee revenue between 1989/90 and 1990/91 is due to the application of the laboratory user fee to all municipal samples and applying an increased lab fee respecting public samples in 1990/91. The increase in 1990/91 Laboratory Fee revenue over 1990/91 "Estimate" is due to an increased volume of samples/analyses from consultants and the City of Winnipeg.
2. The decrease between 1990/91 vs. 1989/90 "Actual" is due to a reduction in MGEA recoveries; the increase in "Actual" 1990/91 Miscellaneous revenue over "Estimate" is due primarily to the receipt of monies from the Biomass Energy Institute pertaining to a recycling conference held during 1990.
3. The increase in "Actual" Emergency Response Costs revenue between 1989/90 and 1990/91 is due primarily to an increase in Emergency Response activity and hence, increased recovery of costs from responsible parties. With respect to the increase in 1990/91 "Actual" Emergency Response revenue over 1990/91 "Estimate", a greater than anticipated level of Emergency Response activity occurred.
4. The Dangerous Goods Inspectorate Training Agreement expired effective March 31, 1990.

**Manitoba Environment
Five Year Expenditure and Staffing Summary by Appropriation**
for the years ending March 31, 1987 - March 31, 1991

Appropriation	1986-87		1987-88		Actual/* Adjusted Expenditures		1988-89		1989-90		1990-91	
	SY	\$	SY	\$	SY	\$	SY	\$	SY	\$	SY	\$
31-1 Administration and Finance	36.26	1,366,600	36.39	1,424,600	30.26	1,361,900	39.00	1,932,700	42.00	1,949,900		
31-2 Environmental Management	163.09	7,327,800	161.25	7,067,300	155.21	8,379,500	161.21	9,469,400	168.21	10,201,800		
31-3 Environmental Advisory Organizations	6.00	365,900	6.00	377,100	5.00	321,800	5.00	521,400	9.00	475,200		
31-4 International Institute for Sustainable Development										415,600		
TOTALS	205.35	9,060,300	204.12	8,869,000	190.47	10,063,200	205.21	11,923,500	219.21	13,042,500		

* Adjusted figures reflect historical data on a comparable basis in those appropriations affected by a reorganization, during the years under review.

Appendices

Suspensions or Variations Under The Environment Act

Section 18(2) of The Environment Act states:

"A suspension or variation granted pursuant to subsection (1) shall be recorded in the public registry and in the department's annual report."

The following suspension requests were approved by the Department of Environment during the 1990/91 fiscal year:

<u>Date</u>	<u>Location</u>	<u>Purpose</u>
April 17, 1990	Village of Powerview	For early discharge of lagoon.
May 1, 1990	Canadian OXY - Brandon	Shutdown of retention tank for 48 hours.
May 4, 1990	Village of Teulon	For discharge of lagoon.
May 17, 1990	Village of Swan River	For emergency discharge of lagoon.
June 29, 1990	Town of Leaf Rapids	Bypass raw sewage into Churchill River (repairs to sewage treatment plant).
July 11, 1990	Canadian OXY - Brandon	Shutdown of retention tank for 48 hours.
July 18, 1990	Village of Teulon	For discharge of lagoon.
August 23, 1990	Egg Lake Rehabilitation Camp (Government Services)	For discharge of lagoon.
September 14, 1990	Village of Teulon	For discharge of lagoon.
September 14, 1990	Village of Ile Des Chenes	Use liquid from lagoon to hydrostatically test a section of the TransCanada Pipeline.
November 6, 1990	Town of Carberry	For discharge of lagoon.
November 7, 1990	Village of Teulon	For discharge of lagoon.
January 10, 1991	Simplot Canada Ltd.	Divert hydrostatic pressure test wellwater to the Assiniboine River.

Departmental Directory

<u>Office</u>	<u>Address</u>	<u>Telephone</u>
<u>Minister's Office</u>	344 Legislative Building Winnipeg, Manitoba R3C 0V8	945-3522
<u>Deputy Minister's Office</u>	350 Legislative Building Winnipeg, Manitoba R3C 0V8	945-8807
<u>Financial and Administrative Services</u>	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7006
<u>Planning and Innovation Division</u>	960-330 St. Mary Avenue Winnipeg, Manitoba R3C 3Z5	945-7482
<u>Environmental Operations Division:</u>		
Assistant Deputy Minister's Office	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7008
<u>Regional Operations:</u>		
<u>Winnipeg Region:</u>		
Regional Head Office	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7081
St. Boniface Office	233 Provencher Blvd. Winnipeg, Manitoba R2H 0G4	945-0913
Fort Garry Office	2989 Pembina Hwy. Winnipeg, Manitoba R3T 2H2	945-3537
St. James Office	2015 Portage Avenue Winnipeg, Manitoba R3J 0K3	945-0834
Kildonan Office	1021 Court Avenue Winnipeg, Manitoba R2P 1V7	945-8485

Eastern-Interlake Region:

Regional Head Office	Unit 5 - 284 Reimer Avenue P. O. Box 21450 Steinbach, Manitoba R0A 2T3	326-3468
Selkirk Office	102-235 Eaton Avenue Selkirk, Manitoba R1A 0W7	482-8085
Lac du Bonnet Office	Lac du Bonnet Health Centre P. O. Box 1030 Lac du Bonnet, Manitoba R0E 1A0	345-8647
Gimli Office	Johnson Memorial Hospital P. O. Box 1290 Gimli, Manitoba R0C 1B0	642-5173

South-Central Region:

Regional Head Office	Southland Mall Box 30 Winkler, Manitoba R6W 2S2	325-2291
Portage la Prairie Office	Provincial Building 25 Tupper Street North Portage la Prairie, Manitoba R1N 3K1	239-3187

Park-West Region:

Regional Head Office	204-1011 Rosser Avenue Brandon, Manitoba R7A 0L5	726-6064
Neepawa Office	225 Walker Avenue Neepawa, Manitoba R0J 1H0	476-2341
Dauphin Office	Provincial Building 27-2nd. Avenue S.W. Dauphin, Manitoba R7N 3E5	638-9111
Virden Office	480 King Street E. P. O. Box 10 Virden, Manitoba R0M 2C0	748-2321
Swan River Office	201-4th. Avenue S. P. O. Box 219 Swan River, Manitoba R0L 1Z0	734-3436

Northern Region:

Regional Head Office	Provincial Building P. O. Box 2550 The Pas, Manitoba R9A 1M4	623-6411
Thompson Office	Provincial Building 59 Elizabeth Drive P. O. Box 32 Thompson, Manitoba R8N 1X4	677-6704
Flin Flon Office	Provincial Building 143 Main Street Flin Flon, Manitoba R8A 1K2	687-3778

**Environmental Management
Division:**

Assistant Deputy Minister's Office	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7107
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**Environmental Quality
Standards Branch:**

Branch Head Office	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7032
Water Quality Management	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7033
Air Quality Management	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7046
Terrestrial Quality Management	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7003
State of Environment Reporting	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7088
<u>Technical Services Laboratory</u>	745 Logan Avenue Winnipeg, Manitoba R3E 1M8	945-2348

Approvals Branch:

Branch Head Office	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7071
Municipal and Industrial Approvals	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7012
Hazardous Waste Approvals	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7073
Environmental Land Use Approvals	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7075
Pesticide Approvals	Building 2, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7067
<u>Clean Environment Commission</u>	Town Square P. O. Box 21420 Steinbach, Manitoba R0A 2T3	326-2395
<u>Manitoba Environmental Council</u>	Building 3, 139 Tuxedo Avenue Winnipeg, Manitoba R3N 0H6	945-7031

